

FIG. 1
PRIOR ART

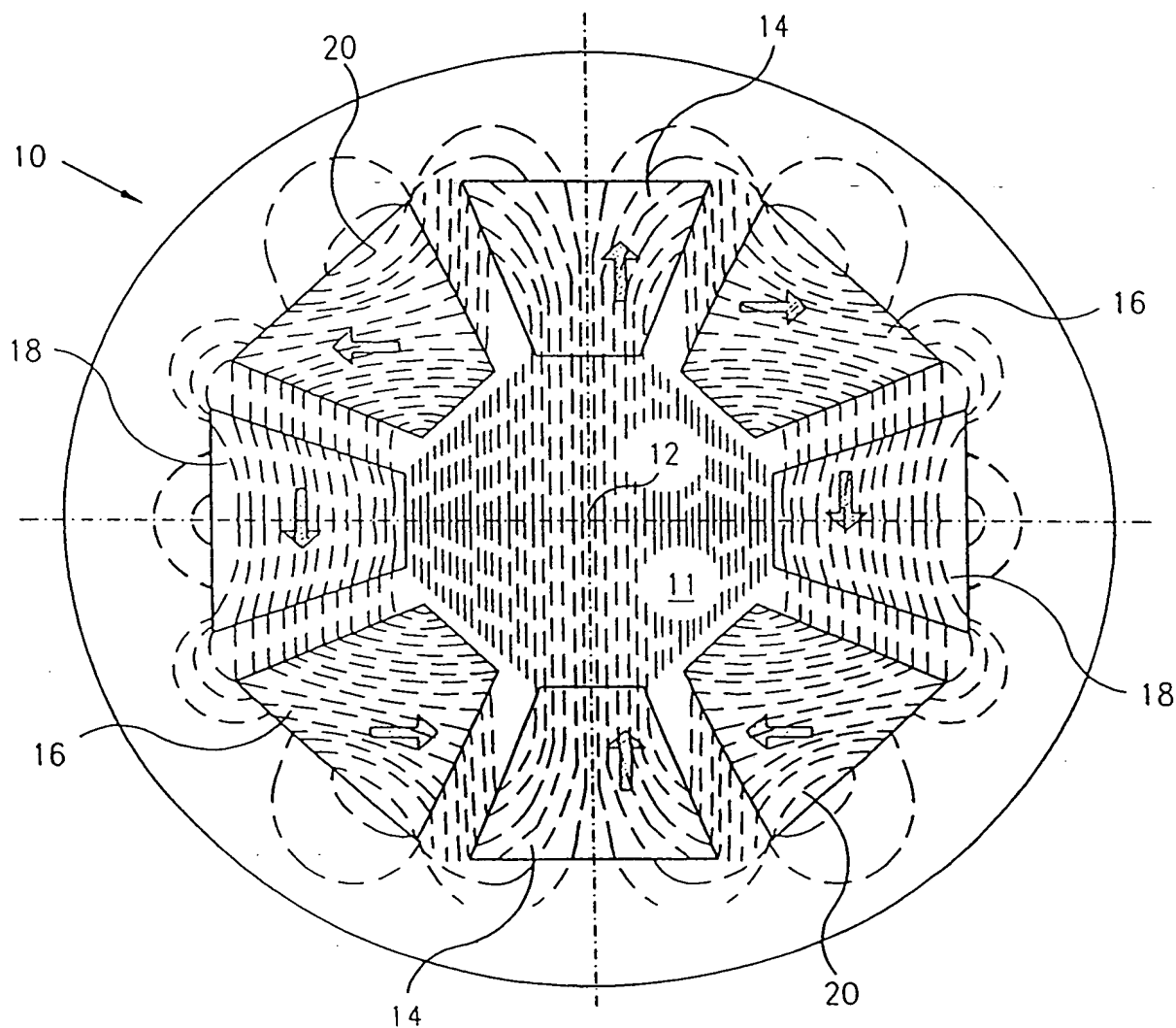


FIG. 1

ANSYS 5.6
 JUN 29 2000
 15:48:46
 NODAL SOLUTION
 STEP=1
 SUB =1
 TIME=1
 AZ
 RSYS=0
 SMN =-.0088
 SMX =.0088
 -.008474
 -.007822
 -.007171
 -.005867
 -.005215
 -.003911
 -.003259
 -.001956
 -.001304
 -.435E-13
 .652E-03
 .001304
 .002607
 .003259
 .004563
 .005215
 .006519
 .007171
 .008474

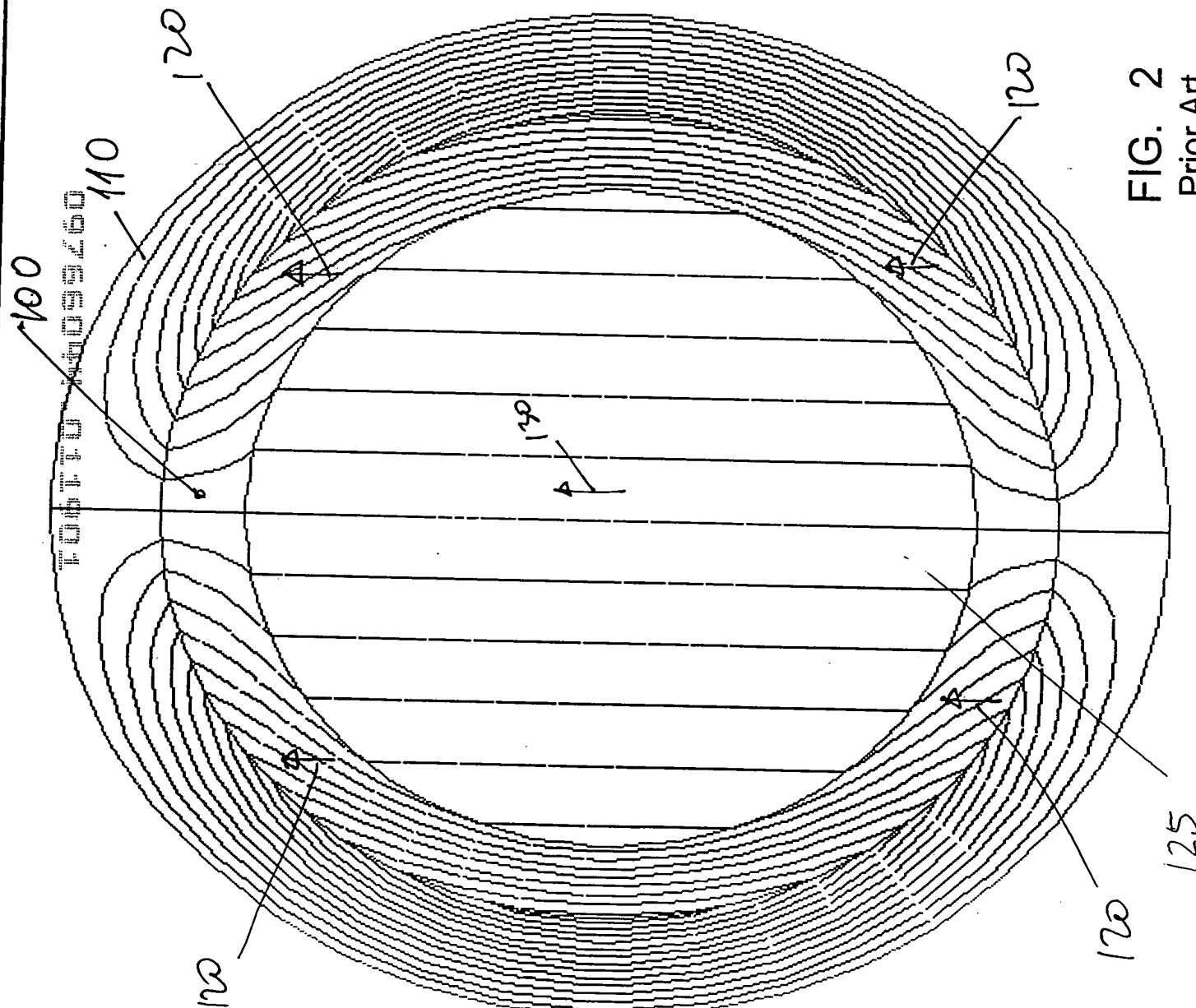
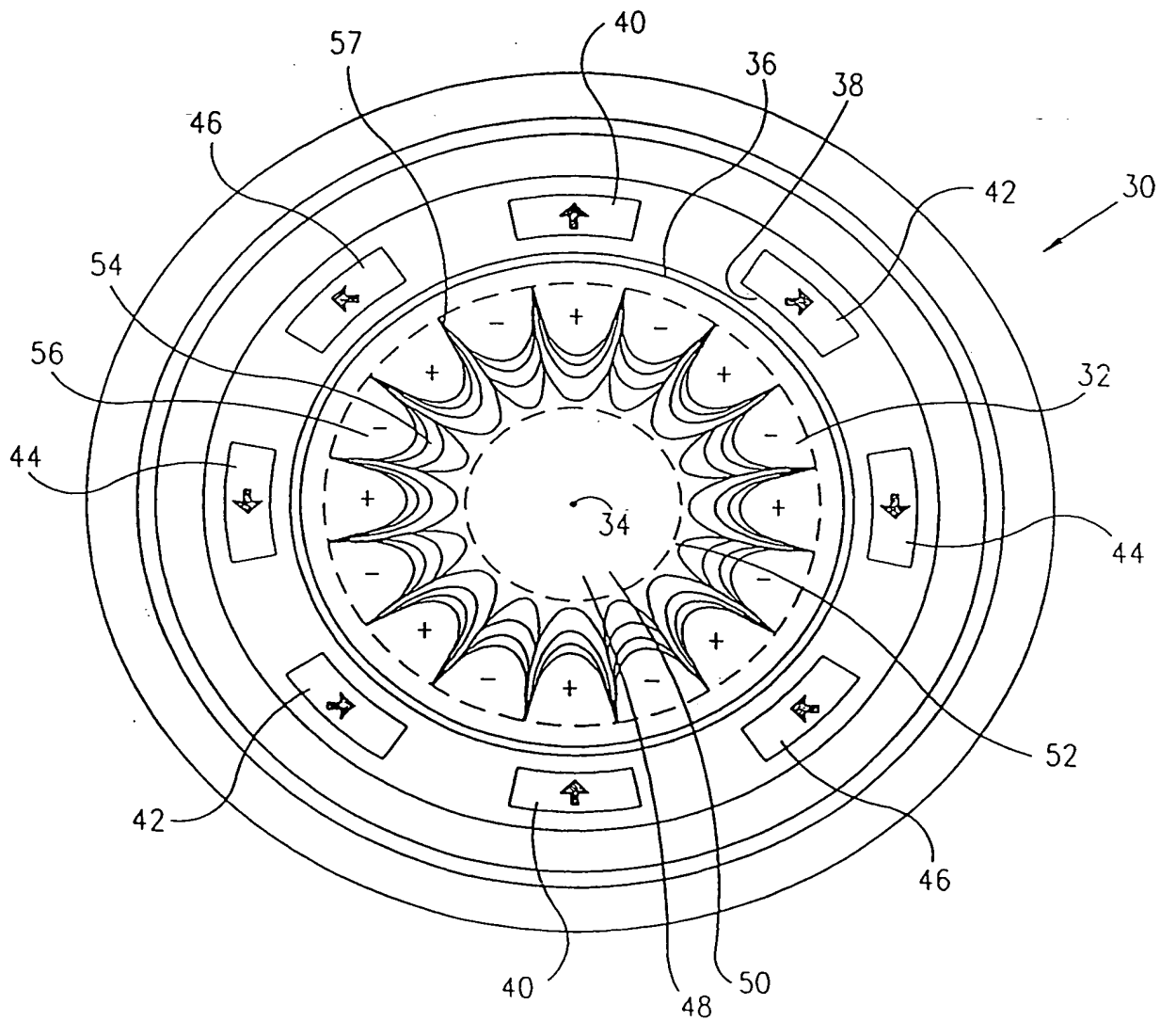
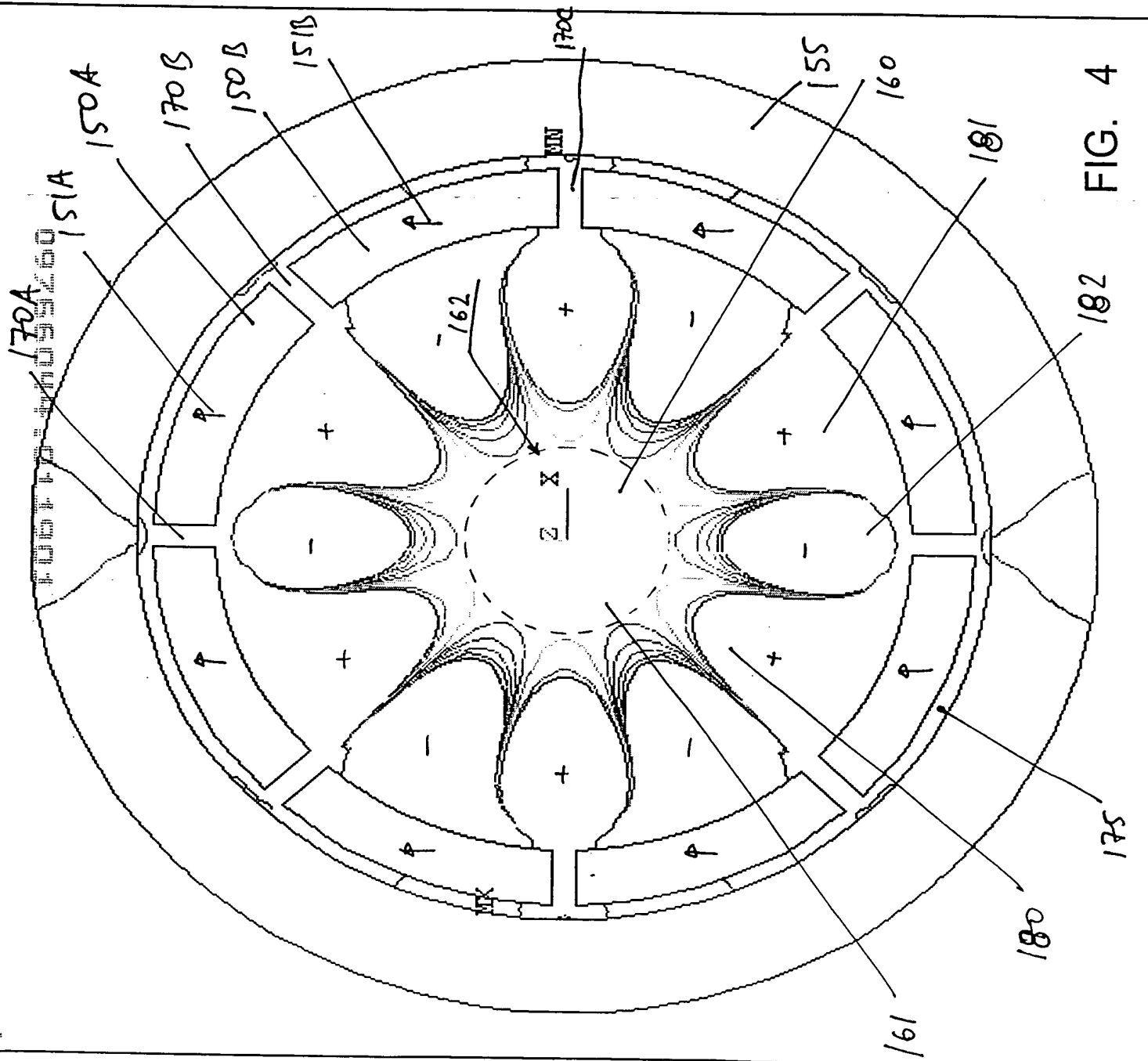


FIG. 2
 Prior Art

FIG. 3



ANSYS 5.6
 JUN 28 2000
 17:30:32
 NODAL SOLUTION
 STEP=1
 SUB =1
 TIME=1
 BSUM (AVG)
 RSYS=0
 PowerGraphics
 EFACET=1
 AVRES=Mat
 SMN =.257E-04
 SMX =.902715
 A =.091037
 B =.091139
 C =.091241
 D =.091342
 E =.091444
 F =.091544
 H =.091749
 I =.091851



Gap = 0.08"

FIG. 4

105710-11099260

Rsa/IRmag ratio vs. Gap Angle **@ 8 arch-shaped segments**

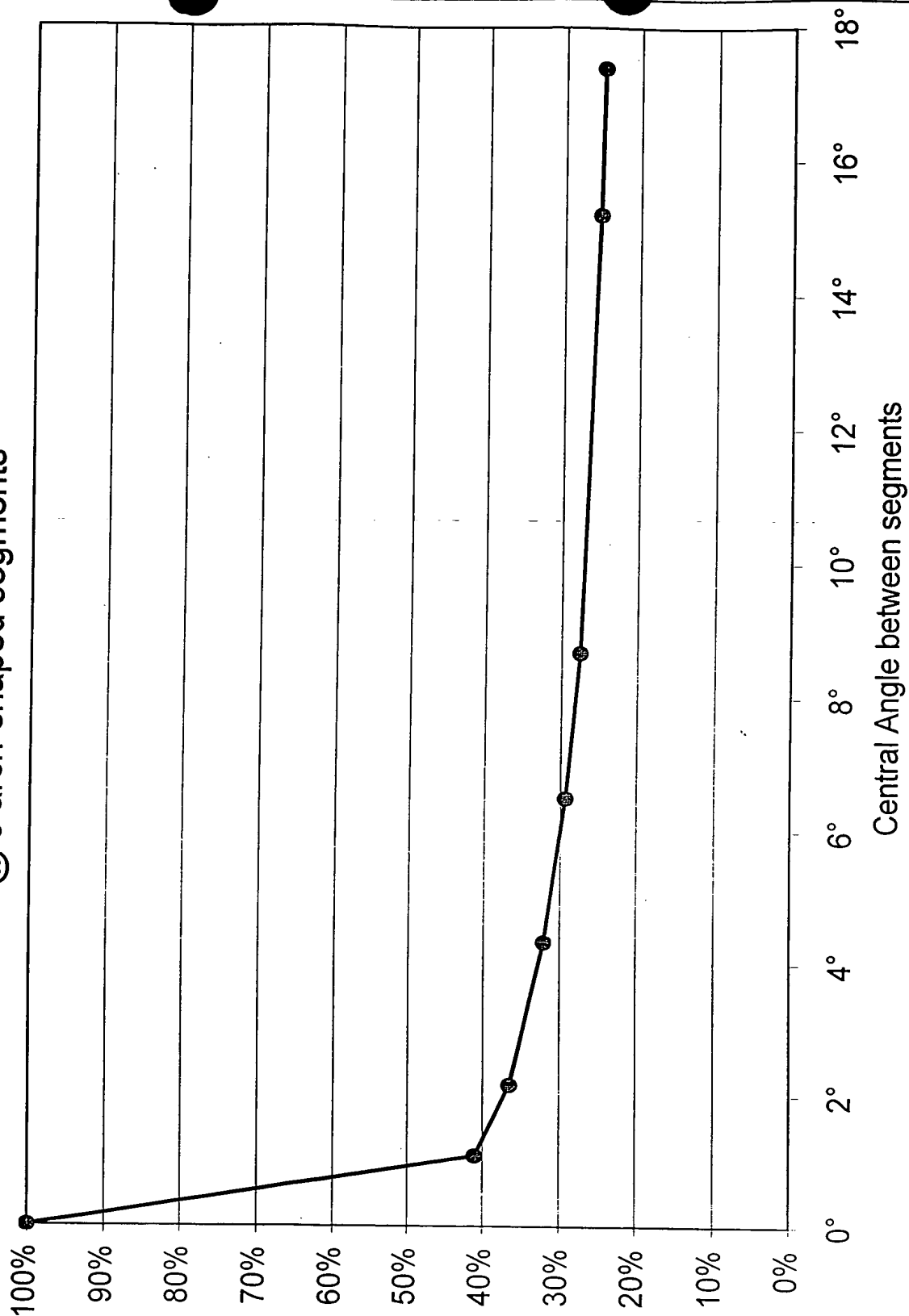


FIG. 5

TABLE 10-1099260

**B0/Br ratio vs. Gap Angle
@ 8 arch-shaped segments**

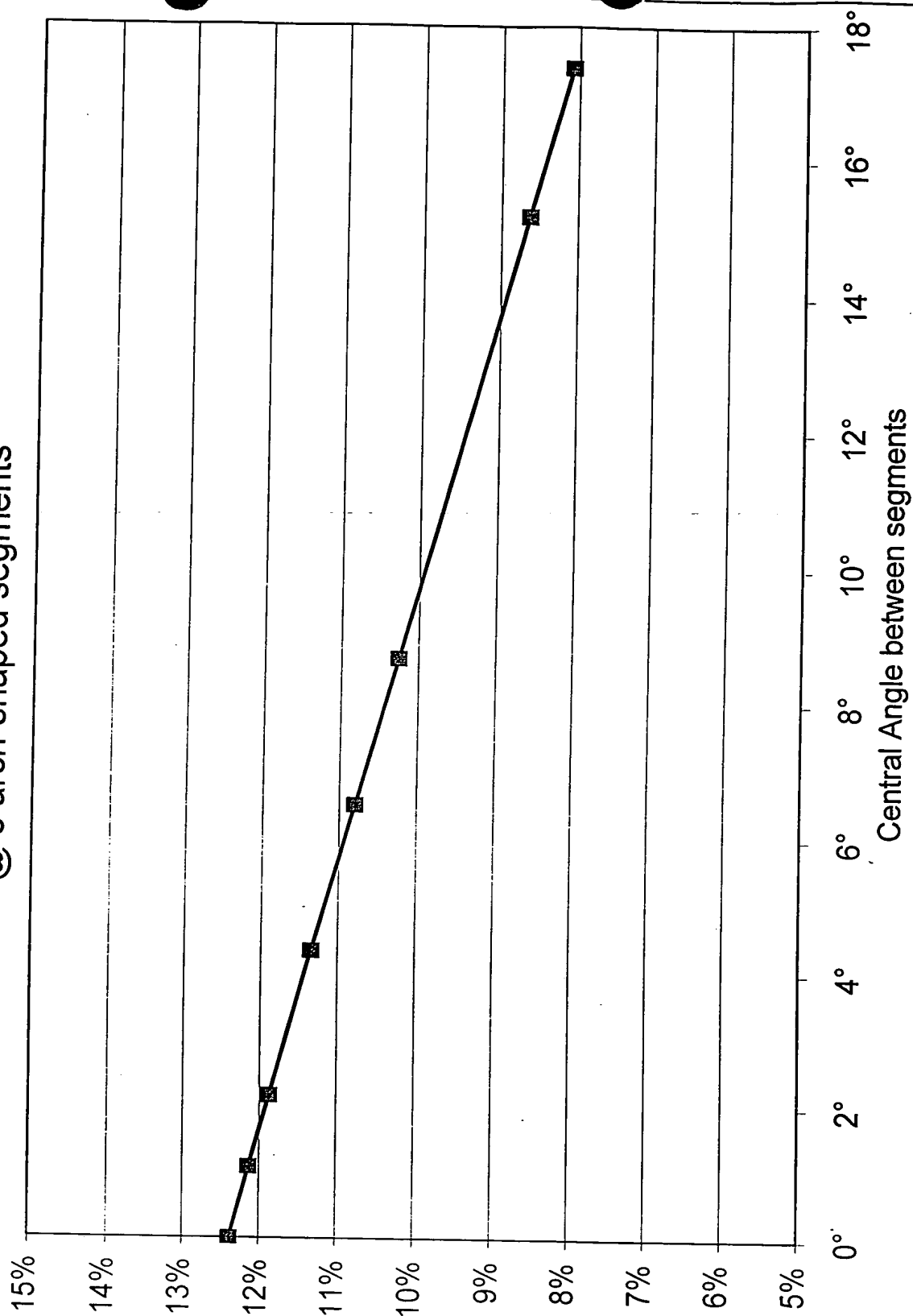


FIG. 6

ANSYS 5.6

JUN 29 2000

13:42:09

NODAL SOLUTION

STEP=1

SUB =1

TIME=1

BSUM (AVG)

RSYS=0

PowerGraphics

EFACET=1

AVRES=Mat

SMN =.001784

SMX =.944143

A =.097469

B =.097591

C =.097714

D =.097836

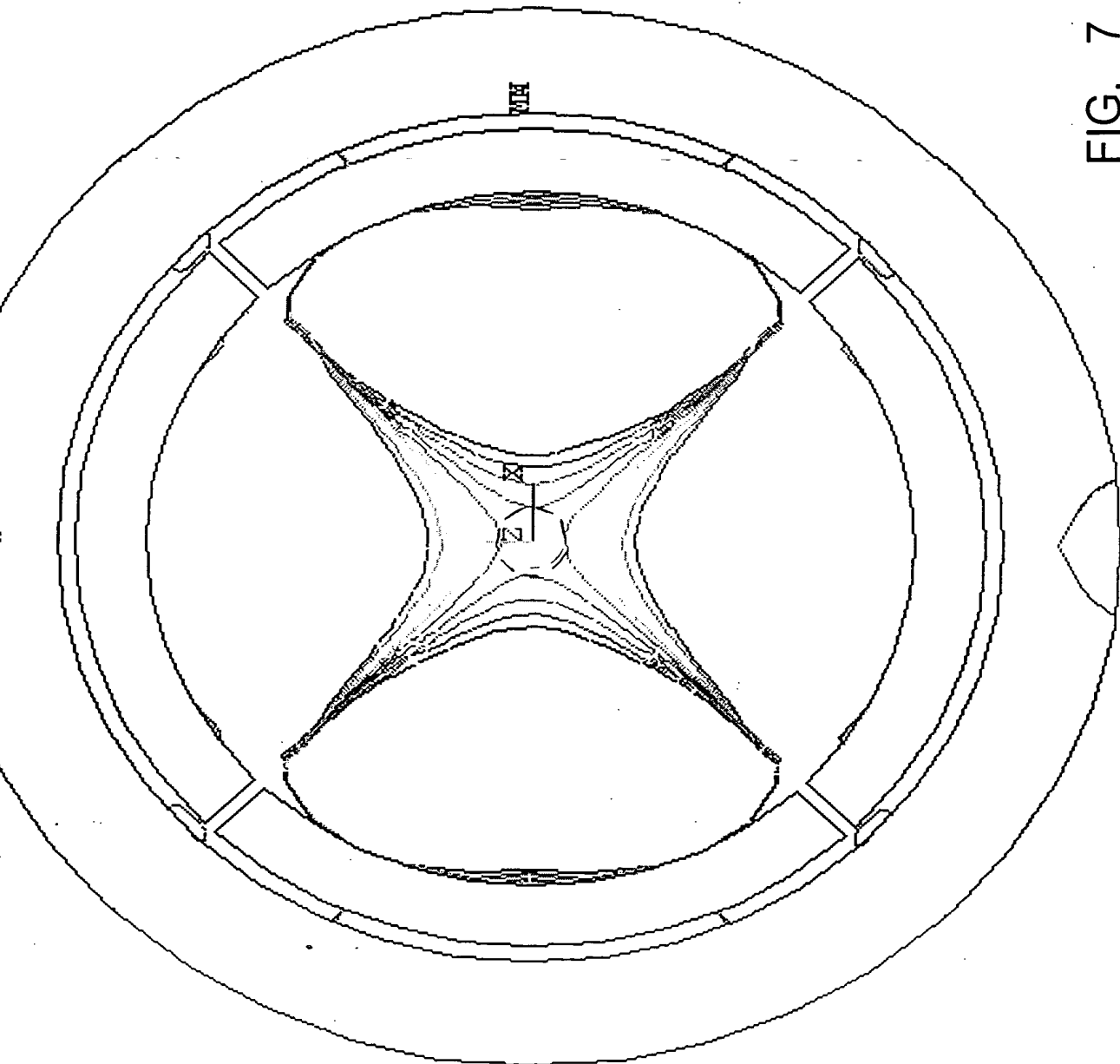
E =.097959

F =.098081

H =.098326

I =.098448

FIG. 7



4 segments $\times 45^\circ$

Gap = 0.04"

FIG. 7

ANSYS 5.6
JUN 29 2000
12:15:29

NODAL SOLUTION

STEP=1

SUB = 1

TIME=1

MUSG {AYG}

0-5158

PowerGraphics

REF ID: A66666

AYRES=Mat

SMN = 596B-03

$$SMX = .899355$$
$$= .08683$$
$$= .08694$$

= .087049

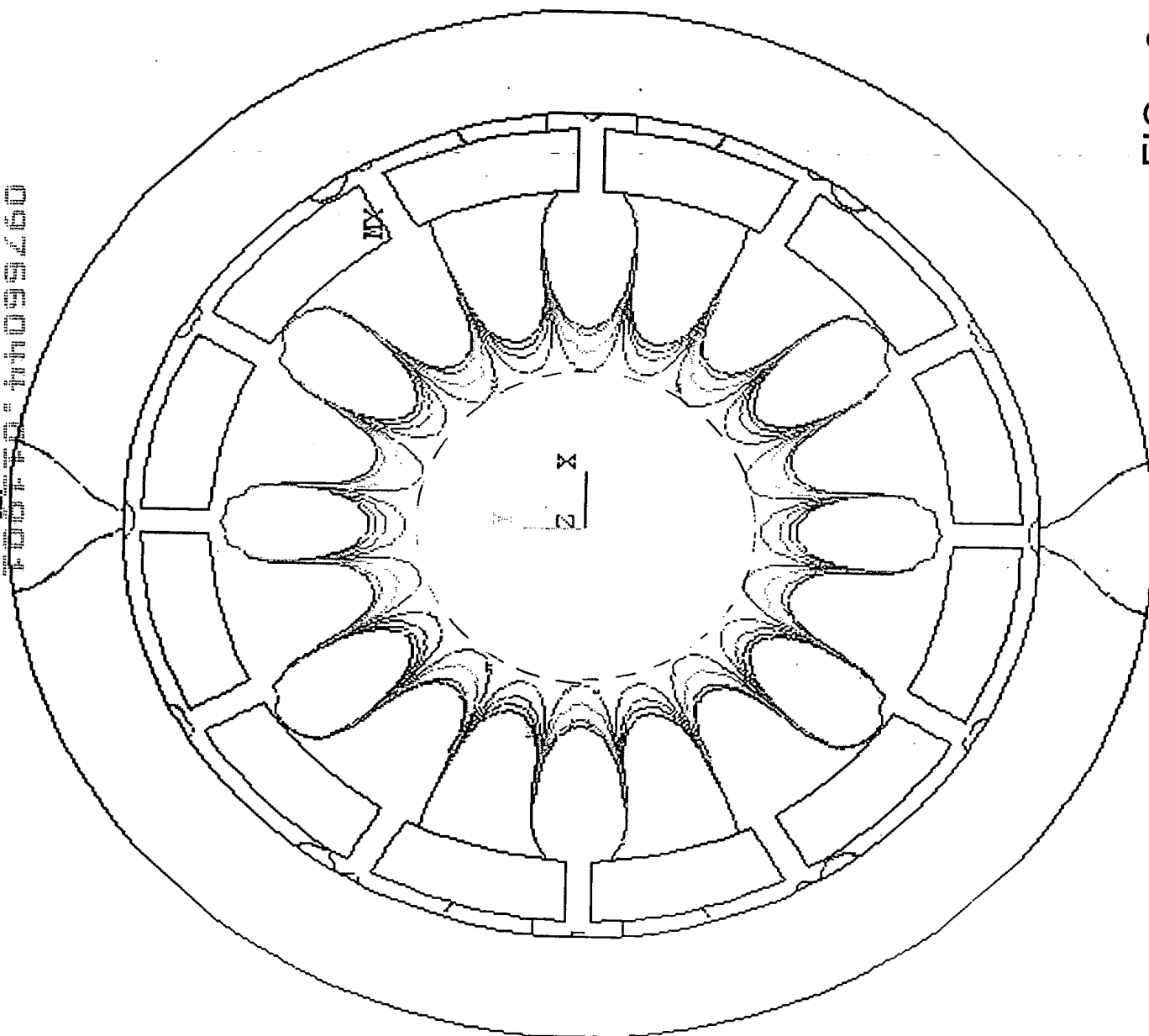
$$= .097158$$

$= .087267$

10
11
12
13
14
15
16

65730. =

=.087703



12 segments

$$\text{Gap} = 0.08^u$$

FIG. 8